

Graph of the envelope $S(T)$ versus time T . The curve starts at the origin, rises to a peak, and then decays exponentially. A horizontal double-headed arrow below the curve indicates a time interval of approximately $2 \mu\text{SEC}$.

214

SIMPLIFIED READ CHANNEL BLOCK DIAGRAM

202

204

206

208

ANALOG INPUT

TA CORRECTION HIGH PASS FILTER (TABUF)

READ CHANNEL ANALOG FRONT-END

A/D

READ CHANNEL DIGITAL DETECTOR

ON/OFF

212

TA

TIMER/CONTROL

210

TA DETECTOR

TA THRESHOLD

ENABLE

```

graph LR
    AI[ANALOG INPUT] --> 202[TA CORRECTION HIGH PASS FILTER TABUF]
    202 --> 204[READ CHANNEL ANALOG FRONT-END]
    204 --> 206[A/D]
    206 --> 208[READ CHANNEL DIGITAL DETECTOR]
    208 --> OUT[ ]
    204 --> 210[TA DETECTOR]
    210 -- TA THRESHOLD --> 206
    210 -- ENABLE --> 212[TA TIMER/CONTROL]
    212 -- ON/OFF --> 202
  
```

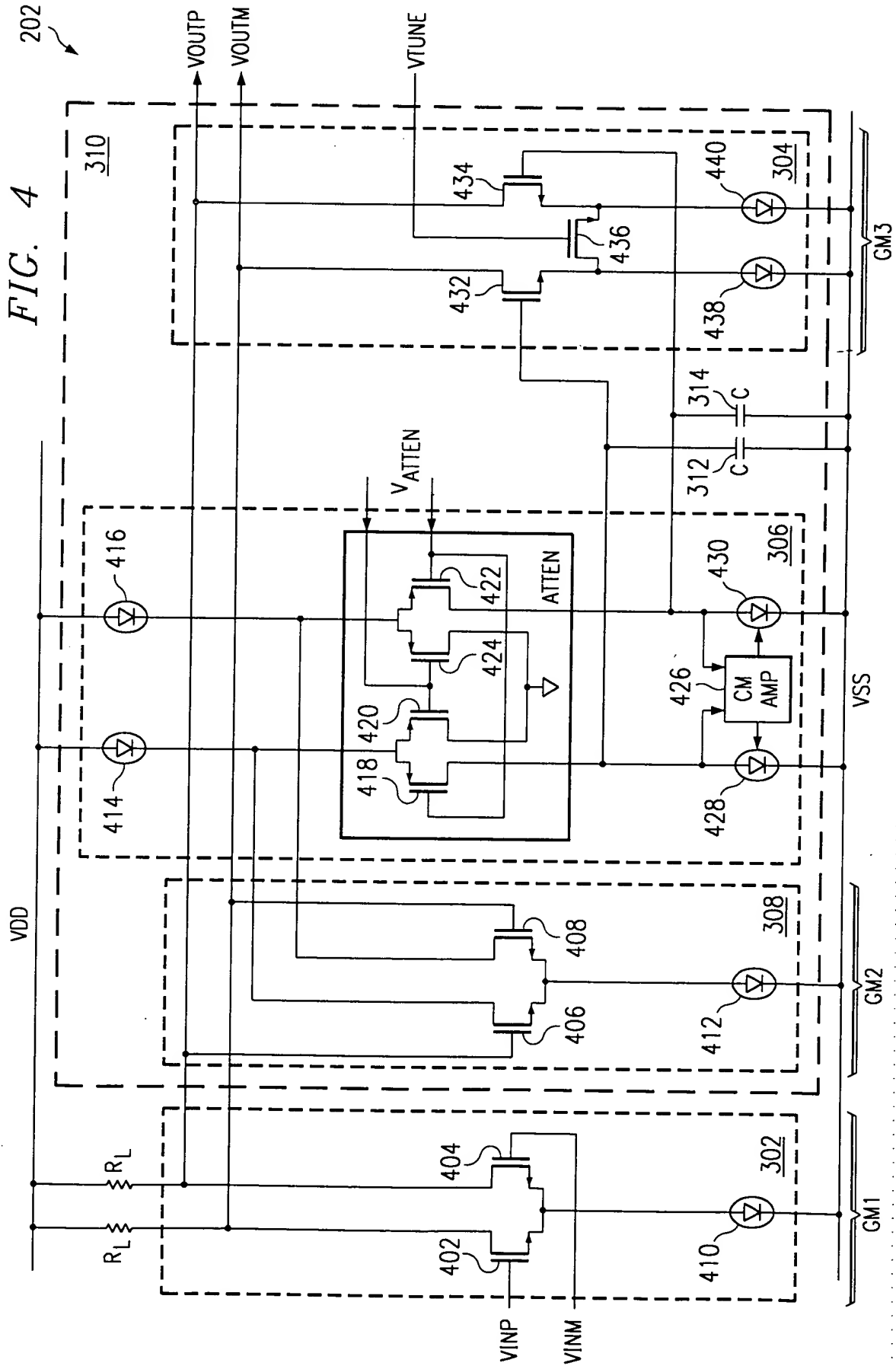


FIG. 5

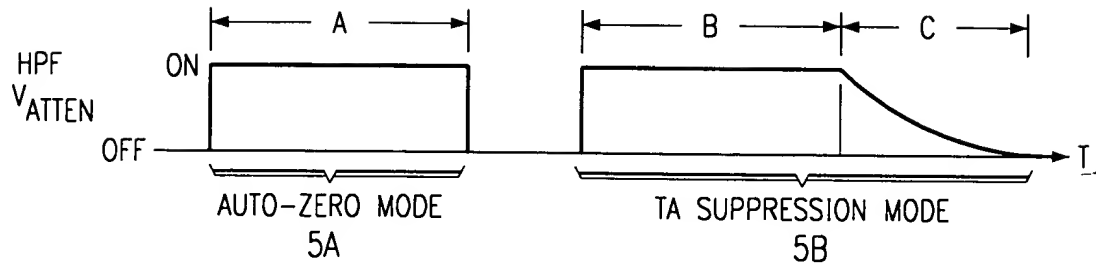
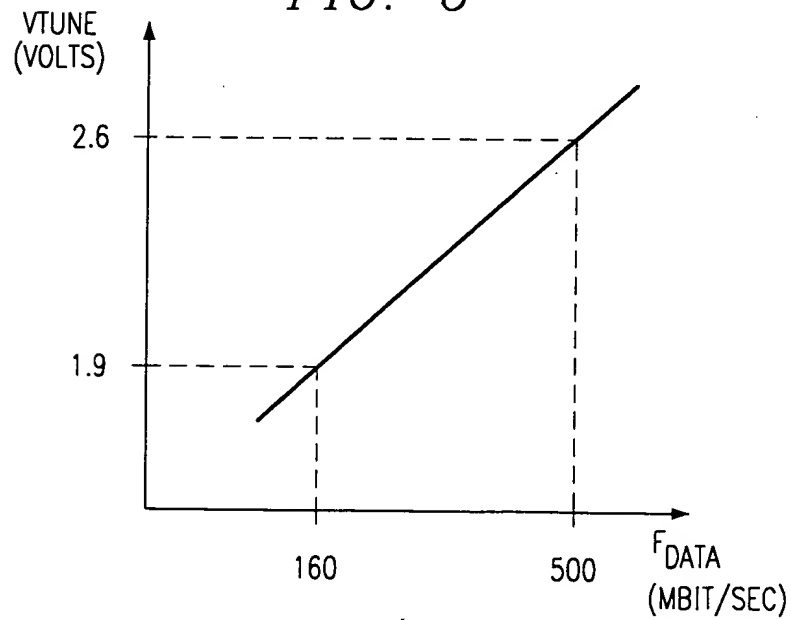


FIG. 6



=> TUNING SIGNAL TRACKS DATA TRANSFER RATE

0902051 071001

FIG. 7

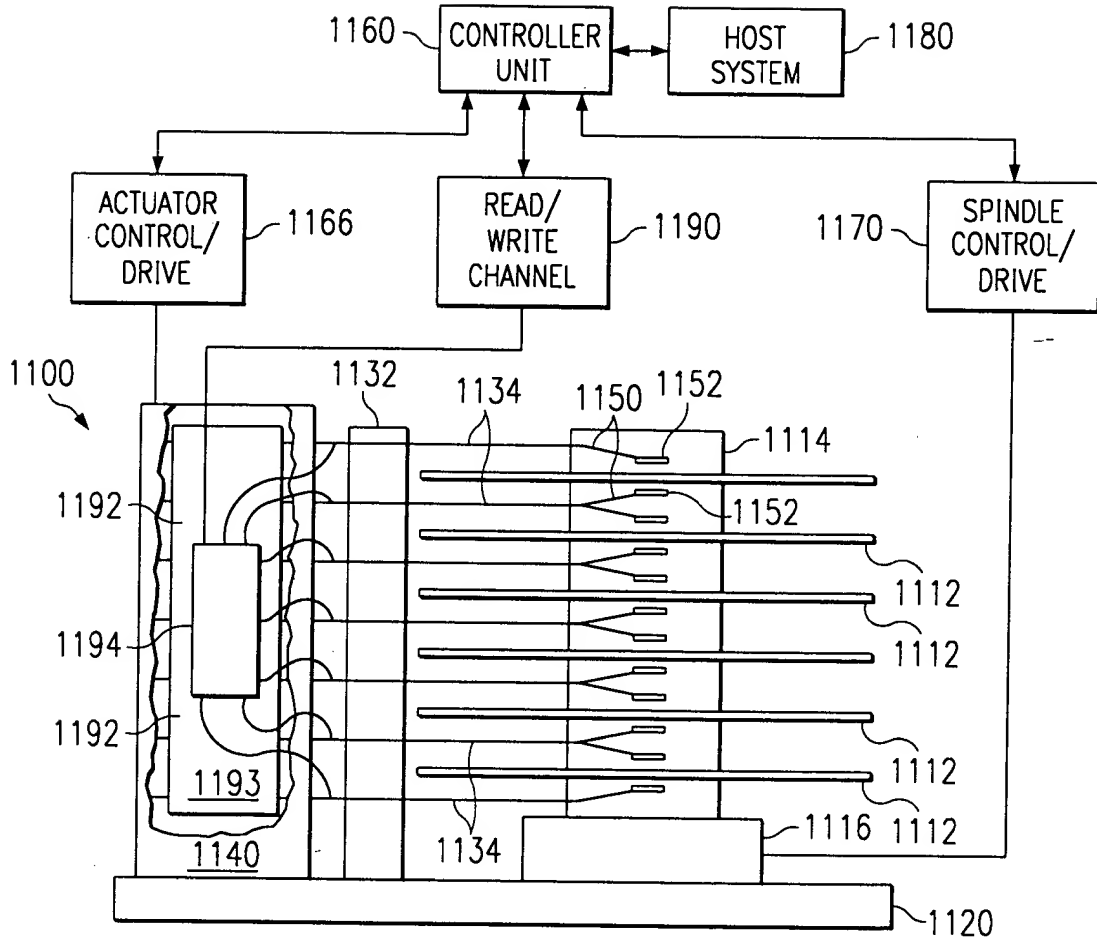


FIG. 8

